# MODIS TECHNICAL TEAM MEETING

**February 18, 1999**

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Ken Anderson, Bill Barnes, Barbara Conboy, Ed Masuoka, Bob Murphy, George Serafino, Dan Tarpley (NOAA), and Deborah Howard.

## 1.0 SCHEDULE OF EVENTS

| | |
|---|---|
| Oceans Meeting | Early March |
| PI Processing Meeting (GSFC) | March 17, 1999, 9:30 a.m.<br>Building 28, Room E210 |
| MODLAND/SDST Meeting (GSFC) | March 30–31, 1999<br>Building 28, Room E210 |
| PI Processing Meeting (GSFC) | April 14, 1999, 9:30 a.m.<br>Building 28, Room E210 |
| Next MODIS Science Team Meeting (GSFC area) | May 4–5, 1999 (NEW Dates) |
| PI Processing Meeting (GSFC) | May 12, 1999, 9:30 a.m.<br>Building 28, Room E210 |
| Mini-SWAMP Meeting at EOS-IWG (Vail) | June 15–17, 1999 |

## 2.0 MINUTES OF THE MEETING

### 2.1 MAST

Vince Salomonson began the meeting with a brief discussion on the dates for the next Science Team Meeting that resulted in new dates of May 4–5, 1999. Barbara Conboy will notify the MODIS science team members of the new dates.

### 2.2 GDAAC

George Serafino summarized GDAAC Notes dated 2/18/99 (Attachment 1). He reported that an ECS E-T-E testing that goes from Level 0 through Level 1B including cloud mask, geolocation, and atmospheric profiles was completed in Ops mode. He also said that this test is only a subset of the full E-T-E test requested by Yoram Kaufman and scheduled for the end of March. By March the DAAC plans to

upgrade COTS and OS to be Y2K compliant. Serafino asked about the dates for the next delivery of PGE01 and PGE02 from SDST; Masuoka responded that the scheduled date for delivery of PGE01 and PGE03 is March 15 and for PGE02 is February 28.

Serafino mentioned that the DAAC had provided feedback to SDST on browse product specifications, in particular L1B browse. Bob Murphy asked about the kinds of browse products and where they are created. Serafino replied that the L1B browse could be created either by SDST or by the DAAC, the latter since the L1B is part of the DAAC production stream. Ed Masuoka reported that the Discipline groups have been asked for their browse requirements. Murphy asked why science team members are asking SDST rather than the DAAC about their browse requirements and asked who was the browse requirements' custodian. Masuoka replied that the Discipline groups have defined their own browse product requirements. The browse products should be able to run in the DAAC. Masuoka said he would list the browses for the Science Team.

Dan Tarpley asked whether Level 1B is the same as for NOAA. Masuoka replied that it is the same at the granule level. Tarpley also asked whether an accessible, rotating 2-week file of MODIS data would be available. Murphy replied that some limited products would be available through FTP on the World Wide Web and Masuoka said that after sample products were sent to the DAAC to ingest, they could be accessible through the DAAC.

In response to a question on how to get MODIS data and information from EOS disks, Murphy replied that the DAAC is supposed to be where people go for MODIS information. MODAPS is supposed to serve the MODIS team and some team members may post data on MODAPS. However, the DAAC is supposed to be the main source of MODIS information.

Serafino asked about DAO data availability at launch. Masuoka replied that MODIS would be using the 1 degree by 1 degree DAO model rather than a 2.5 degree by 2.5 degree product for MODIS only.

Serafino commented that he and Chris Lynnes had talked with Kaufman about making data access a bit more friendly with graphical representations of spatial coverage. This would possibly be done by a DAAC-unique extension using the existing version 0 DAAC User Interface.

**2.3 SDST Report**

Masuoka reported getting ready to support Kaufman's E-T-E test at the end of March; the point person will be Al Fleig. Masuoka said SDST would prefer a date for that E-T-E that coordinates with a SIPS push because then a manual ingest would not be necessary. The SIPS interface on the MODAPS side needs additional linkages in order to get traceability.

Masuoka presented highlights of the V2 SSI&T Schedule (Attachment 2). He commented that PGE06 needs some script documentation and that the yellow areas of the schedule indicate that minor fixes are needed. SDST is fixing about half of these and the Land team is fixing half.

Murphy asked what would be needed to indicate launch readiness. Masuoka replied that a launch-ready version of the schedule and geolocation (the final one is scheduled for 3/15) are necessary. He suggested

adding “ready for launch” information to the schedule. Salomonson agreed that a new, straightforward way to reflect launch-readiness and time to launch-readiness is needed. Masuoka suggested using existing MODIS flowcharts to indicate SSI&T progress.

### 2.4 Instrument Report

Ken Anderson reported that some unshielded lines have been cleaned up for the PC drift problem for FM1 and that reworking power supplies with a MEM fix shows good promise regarding the power supply shutdowns for FM1.

Anderson reported running a pre- and post-fix test to test saturation on the SDSM. Based on the test data and an analysis from subsystem data, there may be some seasonal effect when looking at the sun and going over the pole. Therefore, saturation may be a problem only during brief periods of the year.

Anderson said that a video conference to talk about an FM1 retest with Santa Barbara has been scheduled. He also reported that PFM is complete, except for a screen replacement planned for early March.

### 2.5 Data Release Agreements

Tarpley commented that he had found no NOAA documentation of the protocols for releasing products and data.

### 2.6 Budget

Murphy stated that some of the MODIS science team members are falling behind on their uncosted carryover from FY98 and some are not spending FY99 money according to their spending plans.

### 2.7 NPOESS

Murphy reported plans for a meeting of the NPOESS Preparatory Project (NPP). The purposes of the meeting are to learn about the science requirements for instruments and to get feedback from the science panel about NASA-related issues and concerns about algorithms and bandwidths. He commented that the NPP briefing to the National Academy of Sciences on NPOESS went well.

## 3.0 ACTION ITEMS

### 3.1 Action Items Carried Forward

1. Murphy: Create a mechanism for coordinating MODIS operations and other schedules that includes an interactive listing. It should be more than a passive posting of schedules on the World Wide Web. Such an interactive schedule could be used by MODIS science discipline teams to coordinate field campaigns or by the operations group to coordinate MODIS activities with the other Terra instruments’ activities.

Status: This item remains open.

2. Murphy: Clarify the data release agreements between NASA and NOAA on MODIS data, including MODIS requirements and which of these requirements NOAA will accommodate. Discuss these items with Legg and Tarpley of NOAA.

Status: This item remains open. Note: Tarpley commented that he had found no NOAA documentation of the protocols for releasing products and data (see item 2.5 above).

3. Conboy and Howard: Plan for the next MODIS Science Team meeting in May.

Status: This item remains open.

4. Heney and Howard: Develop a weekly MODIS news page linked to the MODIS home Web site. It should include hot items and reflect weekly progress.

Status: This item remains open.

5. Evans and Eicorn: Look into what can be done at Valley Forge without taking the instrument off the spacecraft.

Status: This item remains open.

6. Townshend: Prepare for getting the official word on the launch date.

Status: This item remains open.

7. Fleig: Follow up on the status of the PI Processing working agreement with ESDIS.

Status: This item remains open.

8. Murphy: Investigate the status of direct broadcast and present an update to the Technical Team.

Status: This item remains open.

9. Murphy: Coordinate a MODIS approach for radiance-to-brightness temperature conversions.

Status: This action remains open.

10. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

11. Masuoka: Distribute an e-mail message summarizing the status of production rules at ECS.

Status: This material was presented at the Science Team meeting held last June 24–26. Masuoka will update this information and pass it along to the discipline group leaders.

12. Murphy: Speak to MCST and the discipline group leaders about what to include in a Version 2.1.1 Level 1B delivery.

Status: This item remains open.

13. Masuoka: Examine status of DAO ancillary products for MODIS.

Status: This item remains open.

**3.2 Closed Action Items**

1. Conboy: Work with Murphy on a launch invitation list; invite PAO to participate.

Status: This item is closed. Conboy submitted the MODIS Terra Launch Invitation.

2. Guenther: Deliver a schedule for an earlier date on Level 1 code. In addition work on, if possible, a more modularized version of the Level 1B code to minimize any problems from forthcoming software changes.

Status: This item is closed. Guenther provided this schedule to an early January premeeting to the SDDT meeting held on January 13.